



Date: November 24, 1981  
Subject: Report No. 81-23 attached

From/Location: E. L. Cambridge/Tucson  
To/Location: J. G. Kaufman/Louisville

The attached report by J. B. Snodgrass is a comprehensive review of available technologies for treatment of spent pot-linings.

Given our current situation at both Columbia Falls and Sebree, economical and environmentally-safe disposal of failed pot-linings with recovery of constituent fluoride values, has been identified as a major emphasis in our 1982 program. We intend to follow-up based on the recommendations of this report. Our suggested modifications to the Showa process have been submitted as a Record of Invention. For the first time, this provides the possibility of a process for both safe disposal and comprehensive chemical value recovery which can be economically, "plant specific".

Because of Alcan's significant technological base in this field and our interest in their direct acid attack and pyrohydrolysis processes, we are investigating the possibility of a joint development program with them. It is estimated that a four-month preliminary study under a secrecy agreement, would be required before a joint development proposal recommendation.



E. L. CAMBRIDGE

ELC:pm

Enclosure